



U.S. Department  
of Transportation

**Pipeline and Hazardous  
Materials Safety  
Administration**

**June 20, 2025**

1200 New Jersey Avenue, SE  
Washington, DC 20590

DOT-SP 14272  
(SEVENTH REVISION)

**EXPIRATION DATE: 2027-03-31**

(FOR RENEWAL, SEE 49 CFR 107.109)

1. GRANTEE: Arrow Tank and Engineering Company, LLC.  
Cambridge, MN
2. PURPOSE AND LIMITATION:
  - a. This special permit authorizes the manufacture, mark, sale, and use of a non-DOT specification packaging described as a volumetric meter prover mounted on a trailer for the transportation in commerce of liquefied petroleum gas residue vapors. This special permit provides no relief from the Hazardous Materials Regulations (HMR) other than as specifically stated herein. The most recent revision supersedes all previous revisions.
  - b. The safety analyses performed in development of this special permit only considered the hazards and risks associated with transportation in commerce.
  - c. In accordance with 49 CFR 107.107(a), party status may not be granted to a manufacturing permit. These packagings may be used in accordance with 49 CFR 173.22a.
3. REGULATORY SYSTEM AFFECTED: 49 CFR Parts 106, 107 and 171-180.
4. REGULATIONS FROM WHICH EXEMPTED: 49 CFR § 173.5a(b) in that the meter prover is designed and constructed in conformance with Section VIII, Division 1 of the ASME Code, and the pressure within meter prover exceeds 25% of the marked pressure rating during transport.
5. BASIS: This special permit is based on the application of Arrow Tank and Engineering Co. dated March 30, 2023, submitted in accordance with § 107.109 and additional information dated March 28, 2025.

Tracking Number: 2025044053

6. HAZARDOUS MATERIALS (49 CFR 172.101):

Hazardous Materials Description			
Proper shipping name	Hazard Class/ Division	Identification Number	Packing Group
Liquefied petroleum gas	2.1	UN1075	N/A

7. SAFETY CONTROL MEASURES:

a. PACKAGING: Packaging prescribed is a non-DOT specification packaging described as a volumetric meter prover tank mounted on a trailer. The meter prover has a water capacity of 20 to 100 gallons and is designed, constructed, and “U” stamped in accordance with Section VIII, Division 1 of the ASME Code. The maximum allowable working pressure (MAWP) is 250 psig. The meter prover conforms in accordance with the Arrow Tank and Engineering brochure and technical specifications submitted with the application on file with the Office of Hazardous Materials Safety.

b. TESTING: Each volumetric meter prover tank must be periodically tested and inspected as specified in §§ 173.5a(b)(4) through (b)(9) except that the pressure test must be performed at a pressure equal to 1.5 times the MAWP of the vessel or 375 psig.

c. OPERATIONAL CONTROLS:

(1) Immediately prior to highway transportation, the meter prover must be depressurized and drained of all liquid content.

(2) The bumper for the trailer must meet the requirements of 49 CFR 178.345-8(d) and 393.86.

(3) During transportation, the pressure of the residue vapors in the meter prover may not exceed 90 percent of the MAWP.

8. SPECIAL PROVISIONS:

a. In accordance with the provisions of Paragraph (b) of § 173.22a, persons may use the packaging authorized by this special permit for the transportation of the hazardous materials specified in paragraph 6, only in conformance with the terms of this special permit.

- b. Each packaging manufactured under the authority of this special permit must be either (1) marked with the name of the manufacturer and location (city and state) of the facility at which it is manufactured or (2) marked with a registration symbol designated by the Office of Hazardous Materials Safety for a specific manufacturing facility.
  - c. A current copy of this special permit must be maintained at each facility where the package is offered or reoffered for transportation.
  - d. The meter prover tank must be plainly and durably marked “DOT-SP 14272” on both sides in letters at least two inches high on a contrasting background.
  - e. Drivers must have been instructed as to necessary safeguards and proper procedure in the event of unusual delay, fire, or accident.
9. MODES OF TRANSPORTATION AUTHORIZED: Motor vehicle.
10. MODAL REQUIREMENTS: A current copy of this special permit must be carried aboard each motor vehicle used to transport packages covered by this special permit.
11. COMPLIANCE: Failure by a person to comply with any of the following may result in suspension or revocation of this special permit and penalties prescribed by the Federal hazardous materials transportation law, 49 U.S.C. 5101 et seq:
- o All terms and conditions prescribed in this special permit and the Hazardous Materials Regulations, 49 CFR Parts 171-180.
  - o Persons operating under the terms of this special permit must comply with the security plan requirement in Subpart I of Part 172 of the HMR, when applicable.
  - o Registration required by § 107.601 et seq., when applicable.

Each “Hazmat employee”, as defined in § 171.8, who performs a function subject to this special permit must receive training on the requirements and conditions of this special permit in addition to the training required by §§ 172.700 through 172.704.

No person may use or apply this special permit, including display of its number, when this special permit has expired or is otherwise no longer in effect.

Under Title VII of the Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users (SAFETEA-LU) — “The Hazardous Materials Safety and Security Reauthorization Act of 2005” (Pub. L. 109-59), 119 Stat. 1144 (August 10, 2005), amended the Federal hazardous materials transportation law by changing the term “exemption” to “special permit” and authorizes a special permit to be granted up to two years for new special permits and up to four years for renewals.

12. **REPORTING REQUIREMENTS:** Shipments or operations conducted under this special permit are subject to the Hazardous Materials Incident Reporting requirements specified in 49 CFR §§ 171.15 - Immediate notice of certain hazardous materials incidents, and 171.16 - Detailed hazardous materials incident reports. In addition, the grantee(s) of this special permit must notify the Associate Administrator for Hazardous Materials Safety, in writing, of any incident involving a package, shipment or operation conducted under terms of this special permit.

Issued in Washington, D.C.:

A handwritten signature in blue ink, appearing to read "Wm Quade", is written over a faint circular stamp.

for William Quade  
Acting Associate Administrator for Hazardous Materials Safety

Address all inquiries to: Associate Administrator for Hazardous Materials Safety, Pipeline and Hazardous Materials Safety Administration, U.S. Department of Transportation, East Building PHH-13, 1200 New Jersey Avenue, Southeast, Washington, D.C. 20590.

Copies of this special permit may be obtained by accessing the Hazardous Materials Safety Homepage at <https://www.phmsa.dot.gov/approvals-and-permits/hazmat/special-permits-search>. Photo reproductions and legible reductions of this special permit are permitted. Any alteration of this special permit is prohibited.

PO: JN